

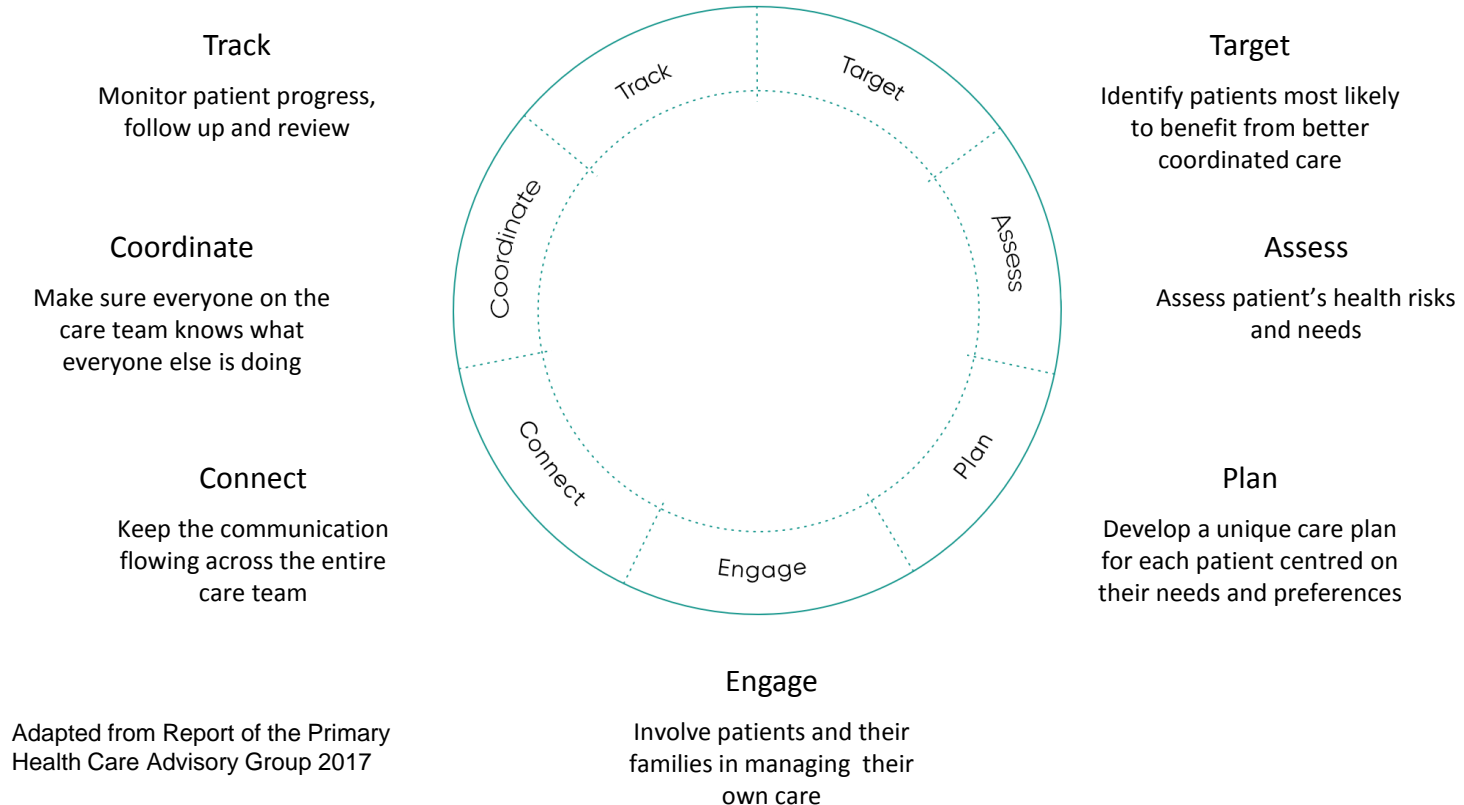
# Patient-Centred Connectivity

Michael Georgeff and Marianne Hibbert

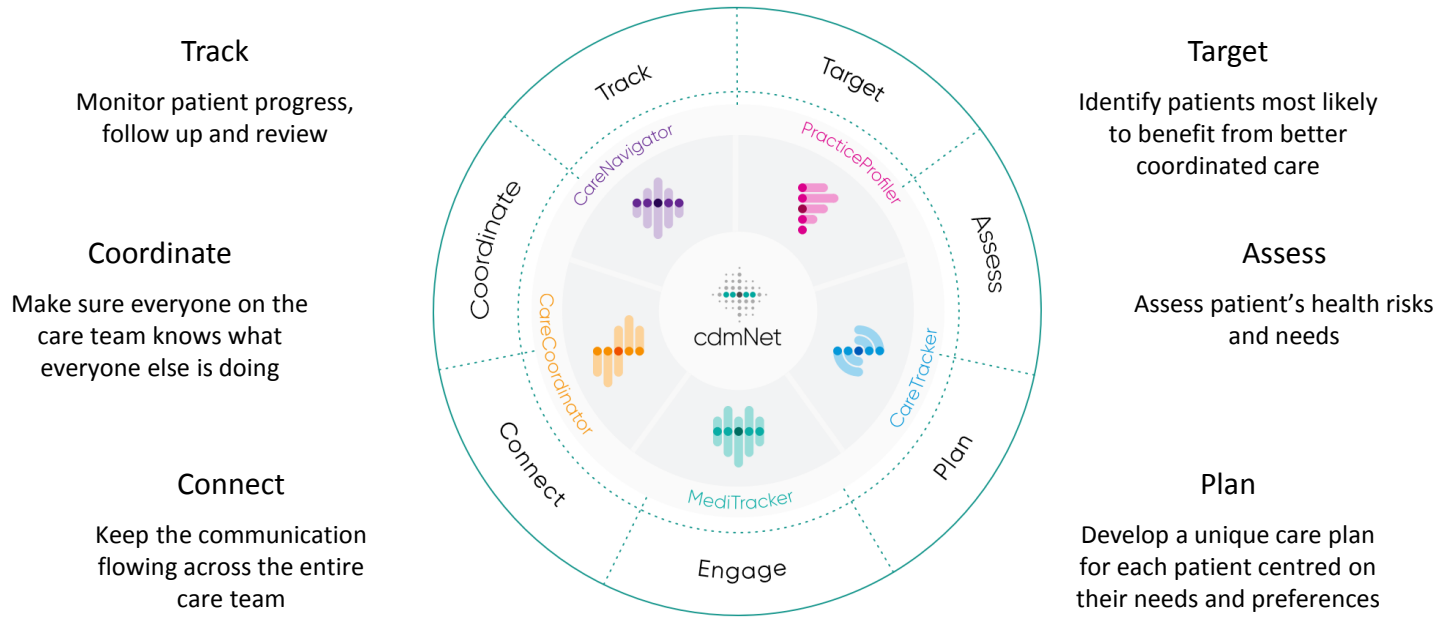
ADMA National Conference

12 Sep 2018

# What works for chronic disease management?



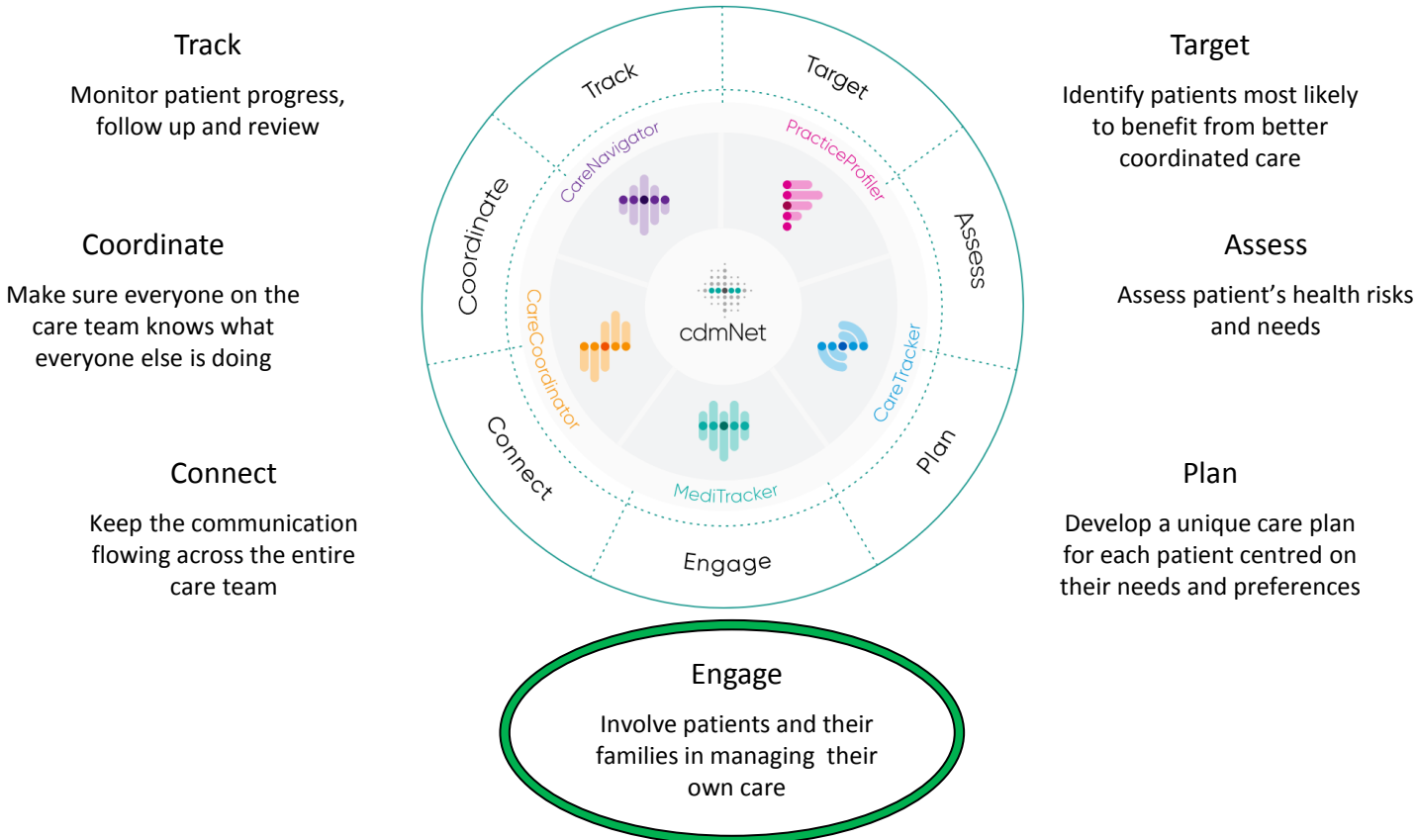
# cdmNet Coordinated Care Platform – Integrated products across the entire patient journey



- Over 150,000 patients on care plans
- Involving over 4,000 GPs and 20,000 other healthcare providers
- Core digital technology for patient-centred care initiatives across Australia

**Engage**  
Involve patients and their families in managing their own care

# How to engage patients in managing their own care?

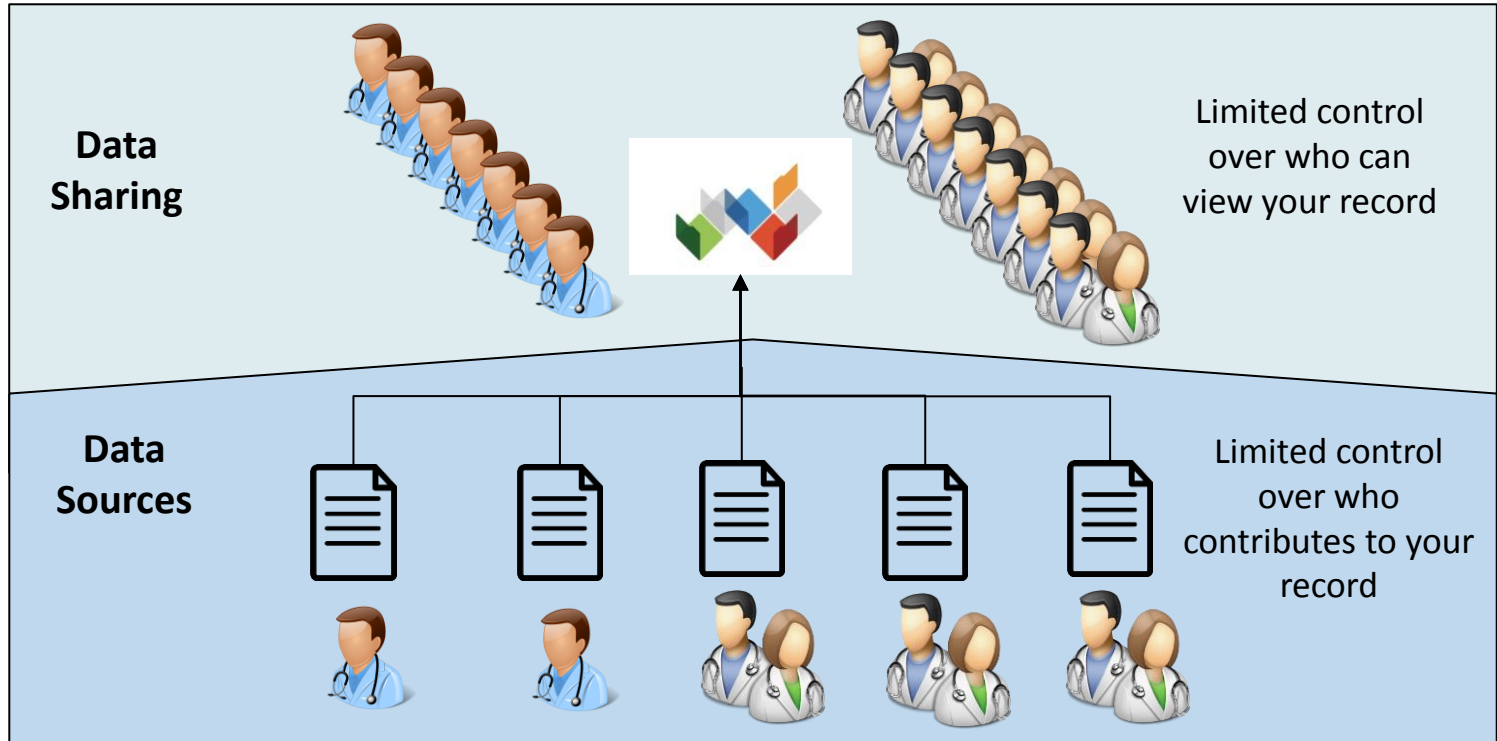


# My Health Record

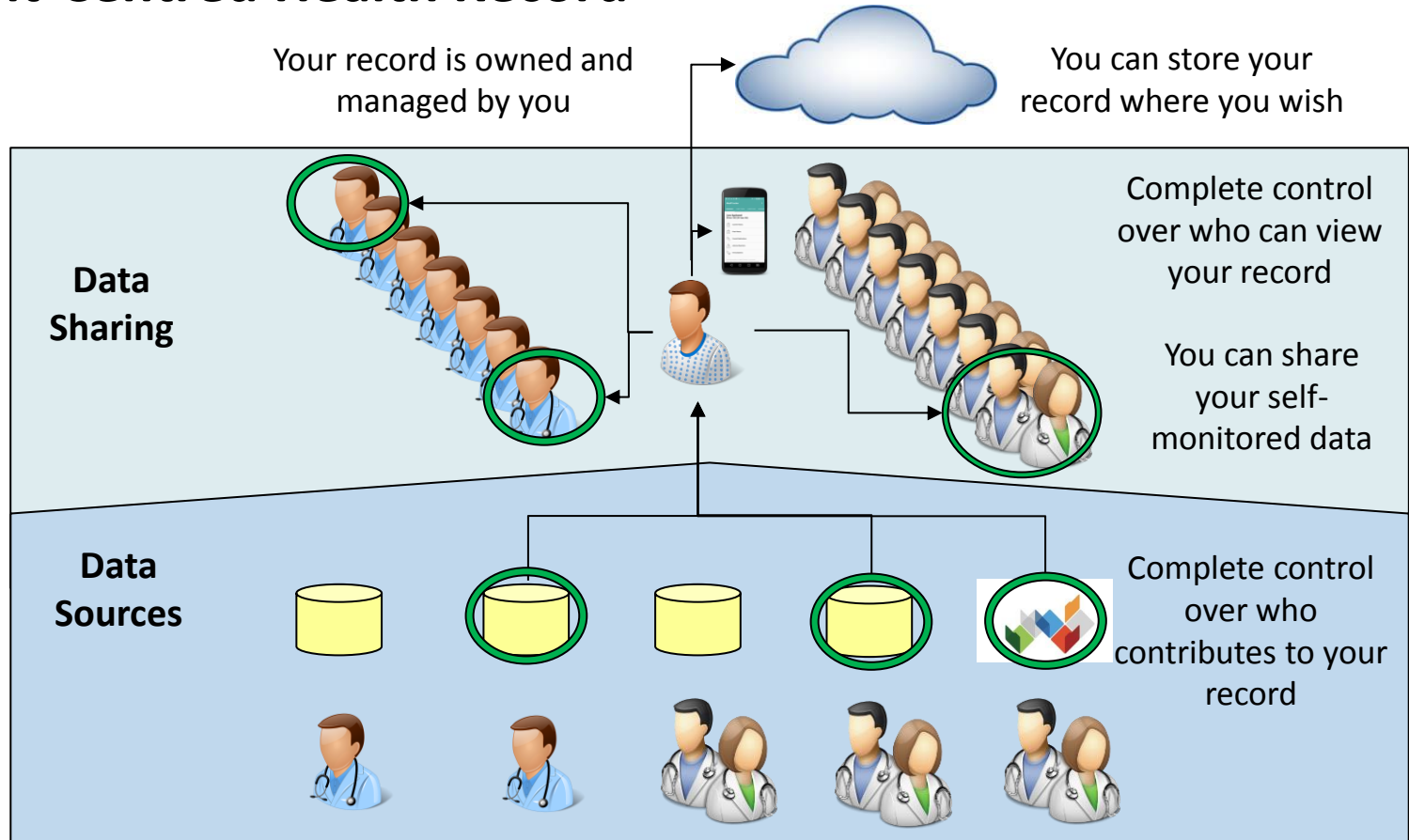
Your record is owned and managed by the enterprise



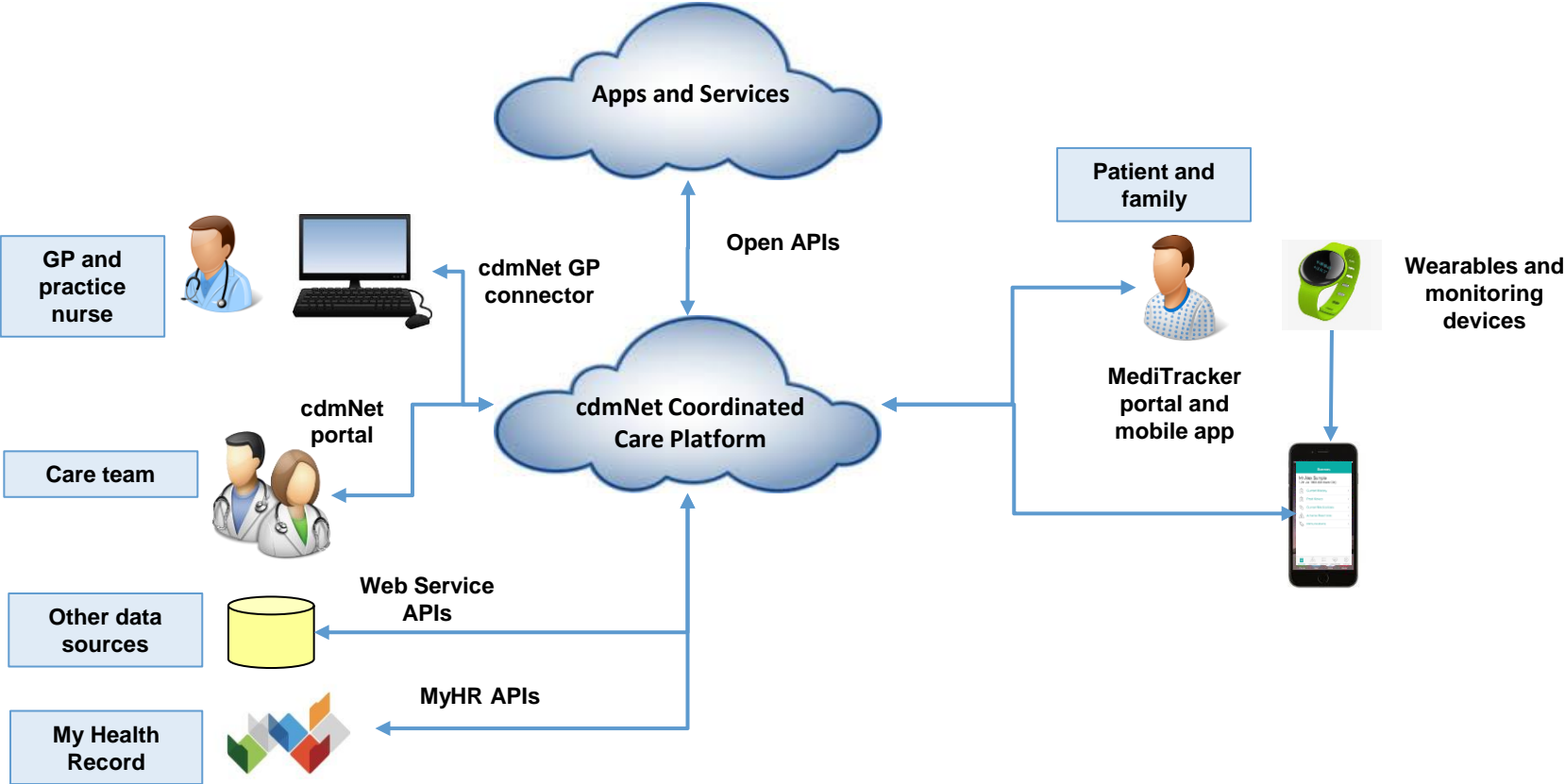
Cannot share your self-monitored data



# Patient-Centred Health Record

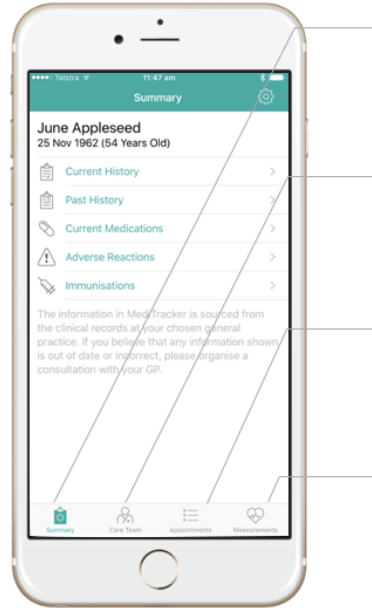


# MediTracker patient-centred health record: How it works



# MediTracker: What it does

- Only with consent of GP and patient
- Only shared with selected care team
- Atomic, structured data
- Automatically updated, always most recent



## Health Summary

See your up to date medical history, as well as your prescribed medications, allergies and immunisations.

## Care Team

Helps you keep track of the people in your care team, providing you with accurate contact information.

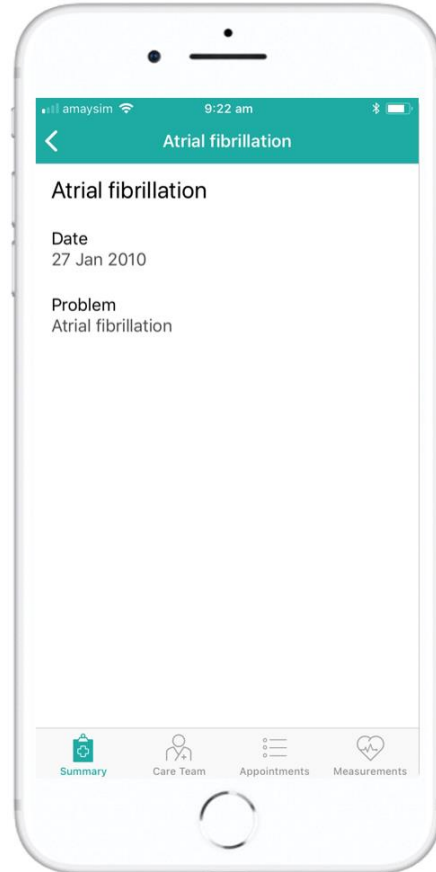
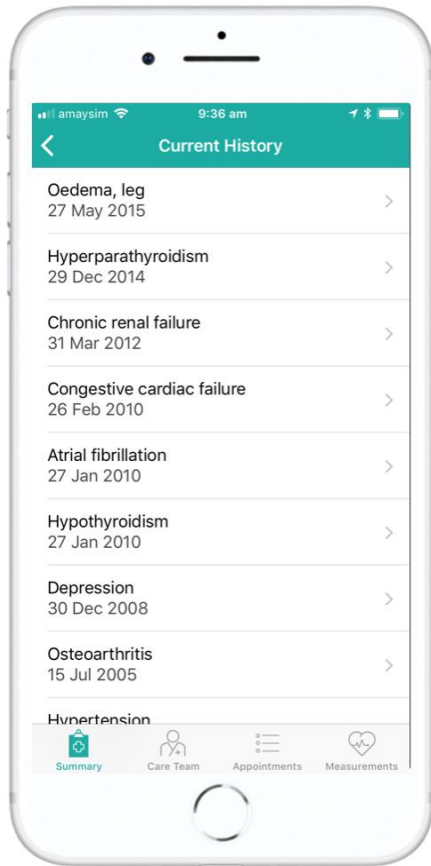
## Appointments

Keeps you informed of appointments you need to make and lets you record these in your calendar.

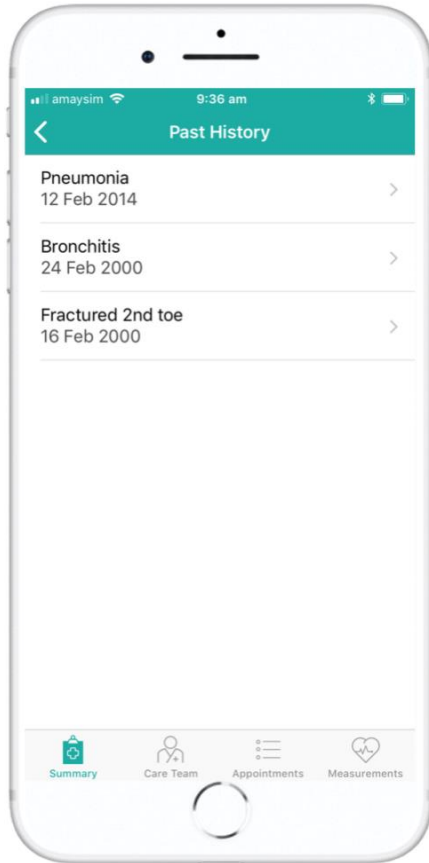
## Measurements

Track, graph and monitor important measurements and pathology tests ordered by your GP.

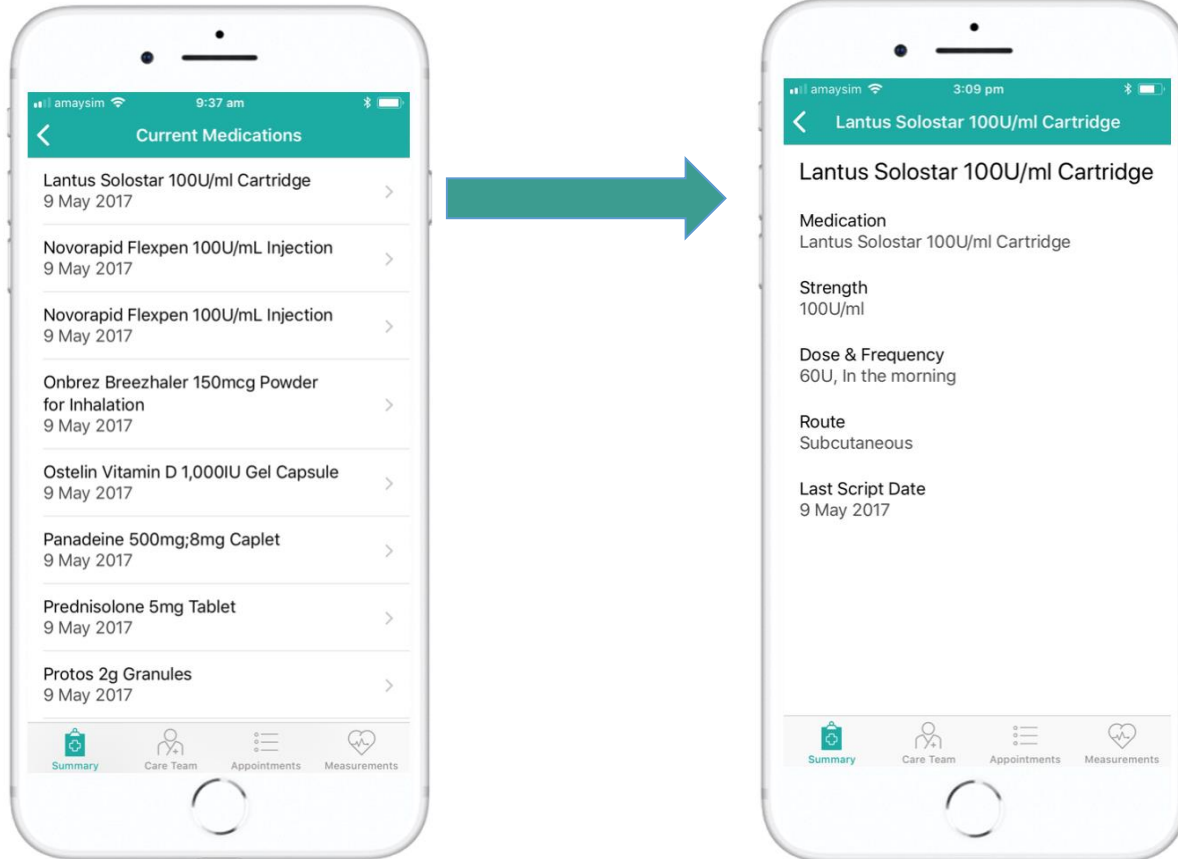
# Current History



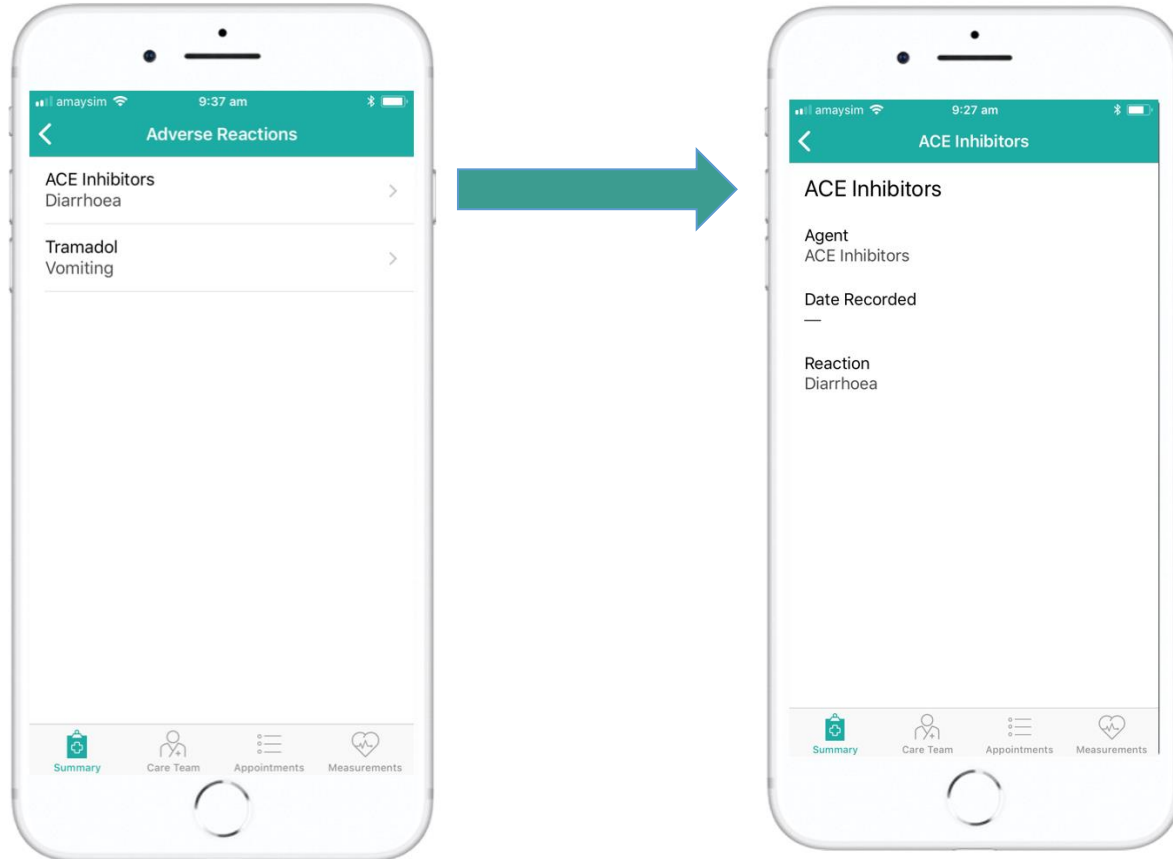
## Past History



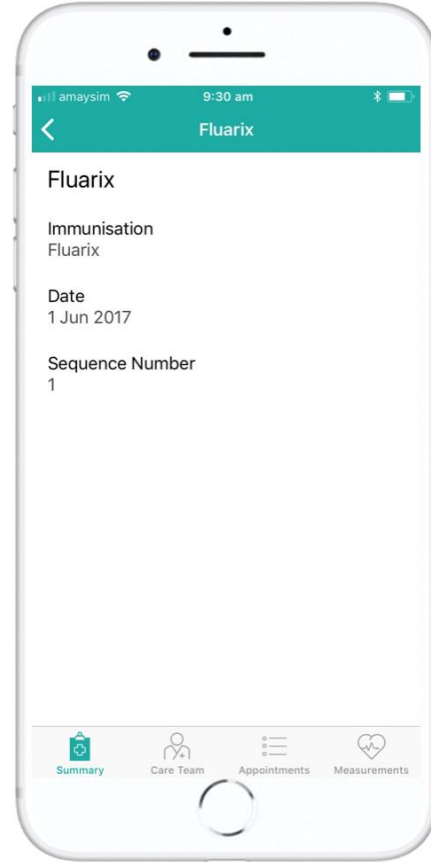
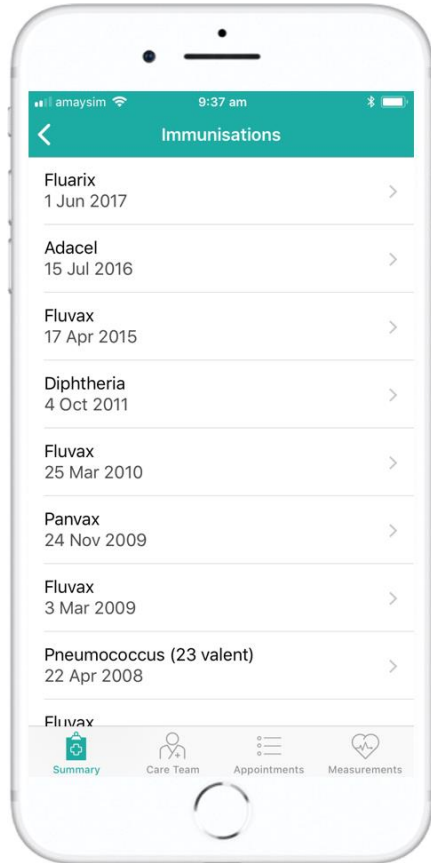
# Current Medications



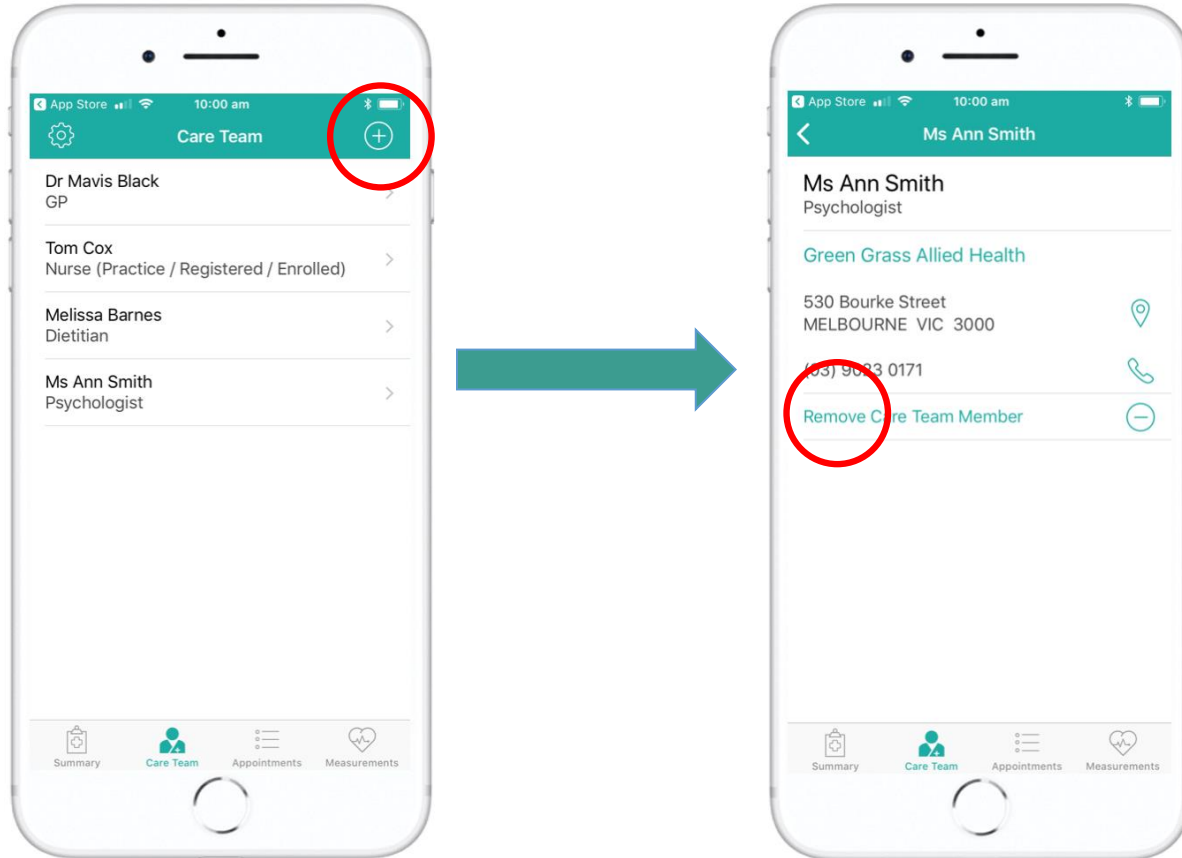
# Adverse Reactions



# Immunisations

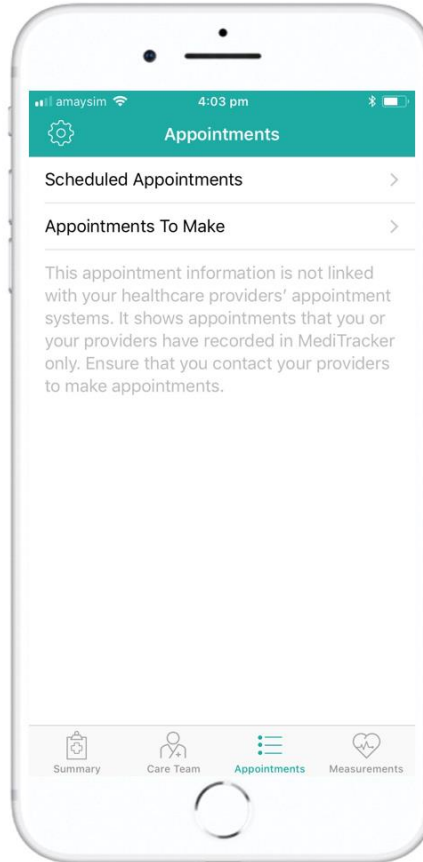


## Connect to Care Team

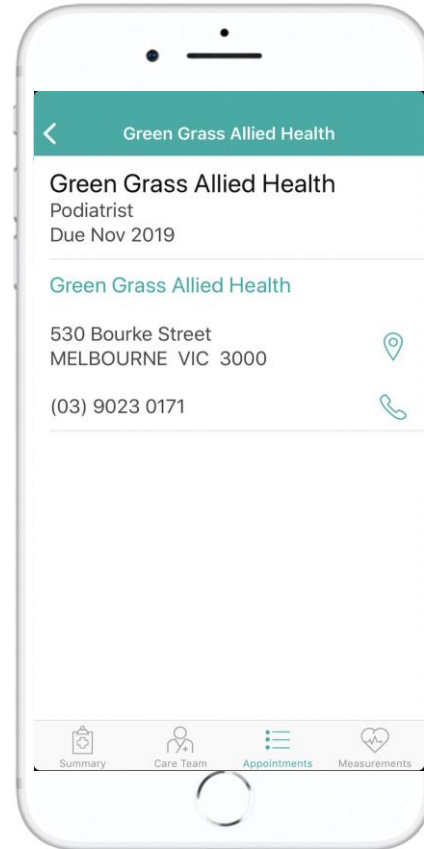
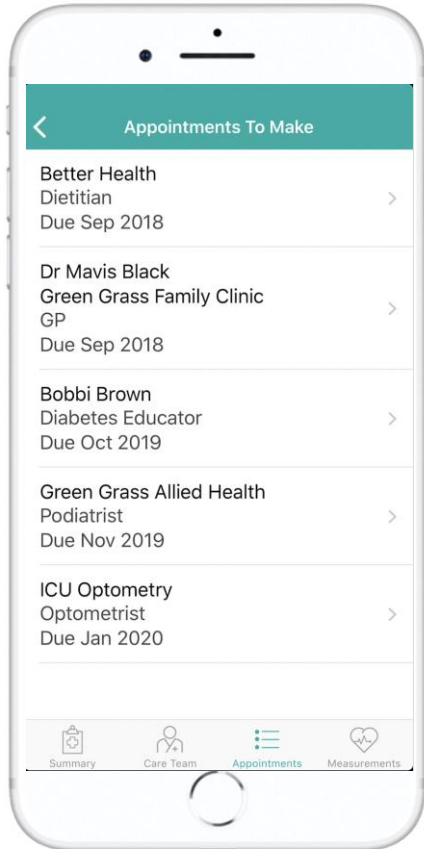


## Manage to the Care Plan

- Appointments planned as well as scheduled
- Phone or online booking using practice's preferred system
- All in one place
- With any member of the care team

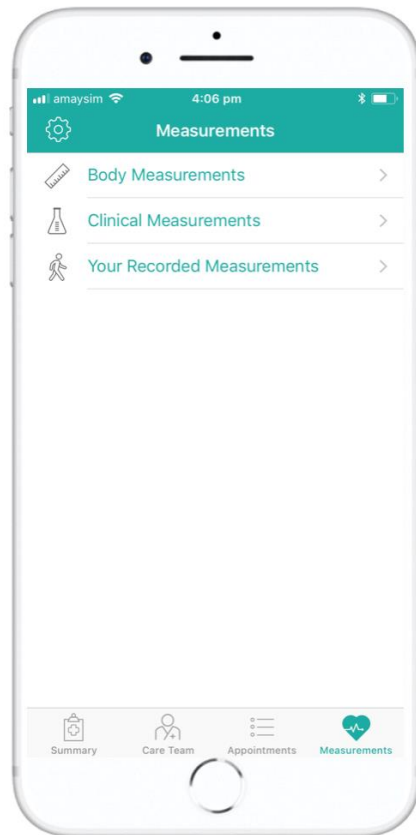


# Appointments to Make

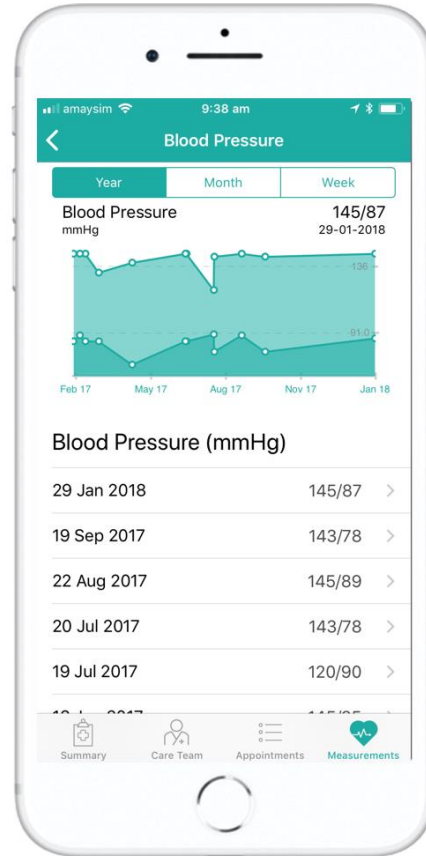
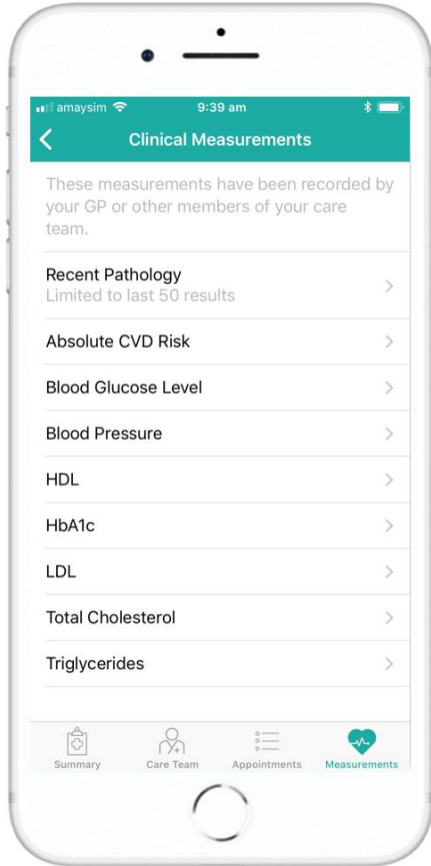


## Measurements

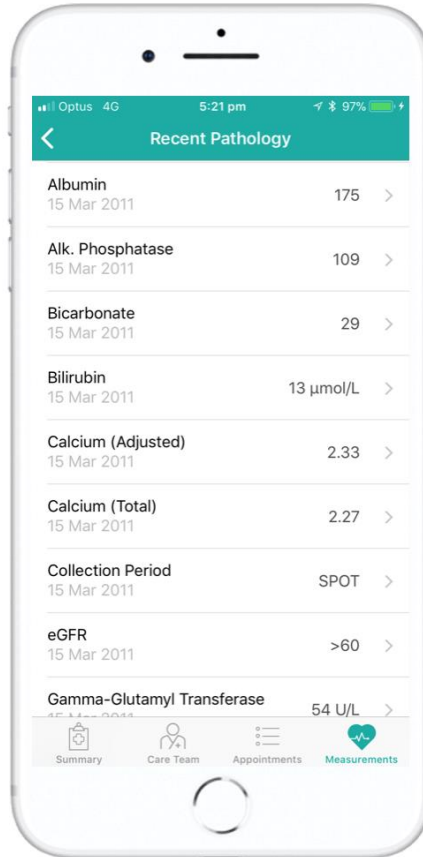
- Clinical measurements taken by the GP
- Atomic graphable data, observable trends
- Only after the GP has viewed and curated the test results
- Includes self-monitored data



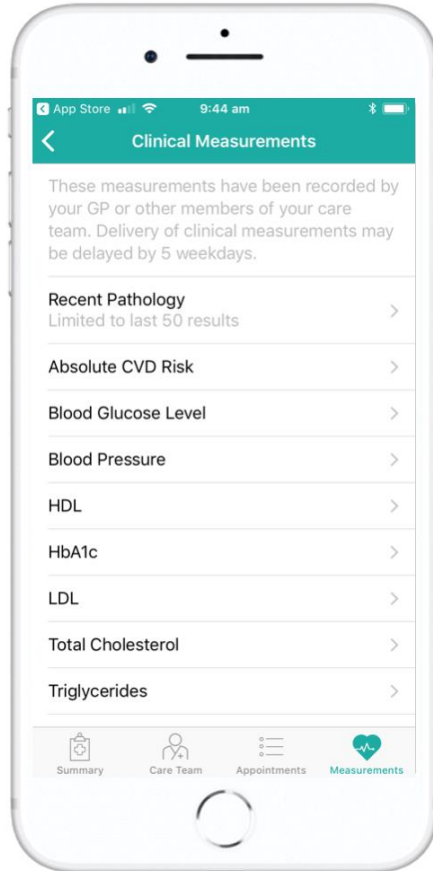
# Clinical Measurements – Blood Pressure



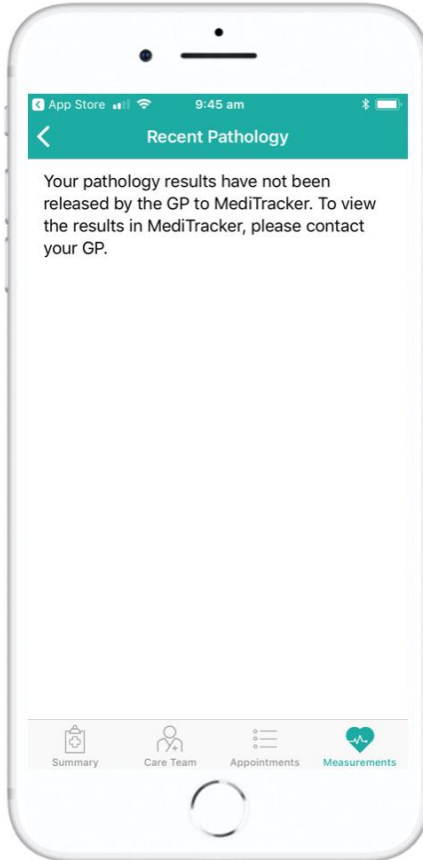
# Clinical Measurements – All Available Pathology



## Recent Pathology – curated by GP, delay of 5 weekdays

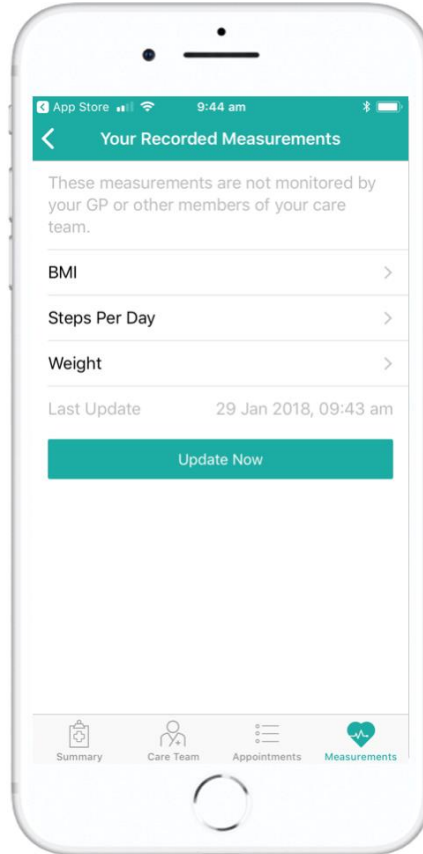


## Pathology results not released by GP

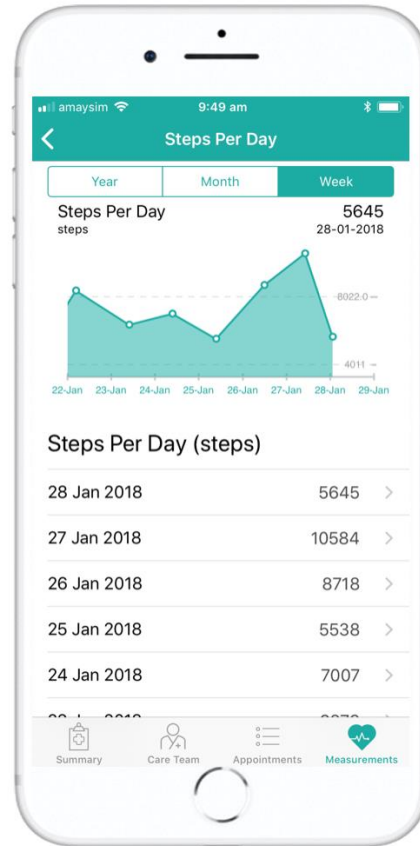
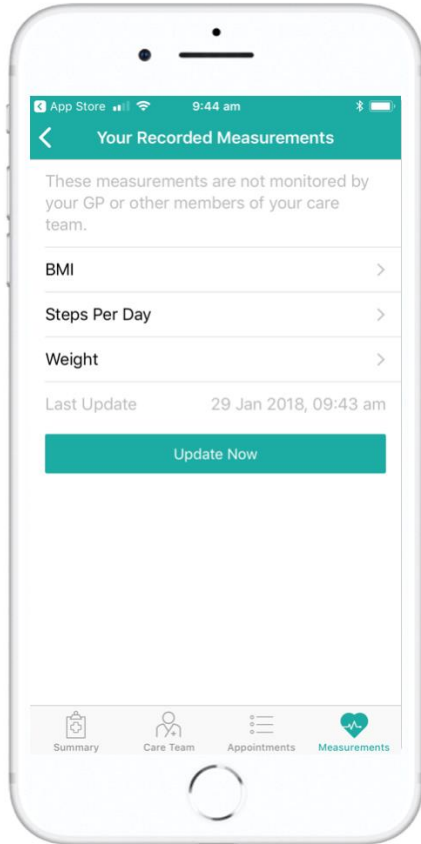


## Self-Monitored Data

- Synchs to Apple Health and Google Fit
- Connects to the massive parallel ecosystem of digital devices and wearables



# Steps Per Day



# All shared across the selected care team via the cdmNet platform

cdmNet Patients Appointments Reports Resources Help Dr Michael Georgeff

**Mr Demo ADINA** 56 years  
7 Beach Street, Torquay, Victoria, 3228

BORN 5-Feb-1962 GENDER Male MEDICARE 5544 14867 2 / 4 IHI None Recorded CDMNET NUMBER 1582146381

Overview Measurements Care Team Documents Assessments Progress Notes Settings

Pathology Results Available: Yes Hide Results All Available Pathology

### Observations

Add Measurements

Measurement	Latest	Target	Recent Measurements					Actions
			19-Apr-2012	20-Apr-2012	17-Jan-2013	17-Jan-2013	29-Jan-2013	
Blood Pressure (mmHg)	150/85	< 130/80	135/65	135/65	-	165/95	150/85	History
Hip Circumference (cm)	121		-	-	-	-	-	History
Waist Circumference (cm)	123		-	-	-	-	-	History
Weight (kg)	75	< 71	-	-	75	-	-	History
Height (cm)	157		-	-	157	-	-	History
BMI (kg/m <sup>2</sup> )	30		-	-	30	-	-	History

### Test Results

Add Measurements

Measurement	Latest	Target	Recent Measurements					Actions
			5-Aug-2011	29-Nov-2011	19-May-2012	17-Jan-2013	31-Jan-2013	
Serum Creatinine (µmol/L)	130		-	69	130	-	-	History
HbA1c (mmol/mol)	51.9	≤ 53	-	57.4	-	58.5	51.9	History
Microalbumin (Spot Albumin : Creatinine Ratio) (mg/mmol)	5		-	-	5	-	-	History

## Early days

- Over 20,000 patients using MediTracker
  - Portal over 13,000 patients
  - Mobile App over 8,000 patients
- ADHA Digital Health Test Bed to improve utility and use of MyHR
  - Privacy, clinical measurements, always current, shared with selected care team
- Trial with Diabetes SA, Royal Adelaide Hospital and Adelaide PHN
  - Consumer-driven adoption
- IPN Medical Centres beginning rollout to 2m patients
  - Patient loyalty, better health outcomes

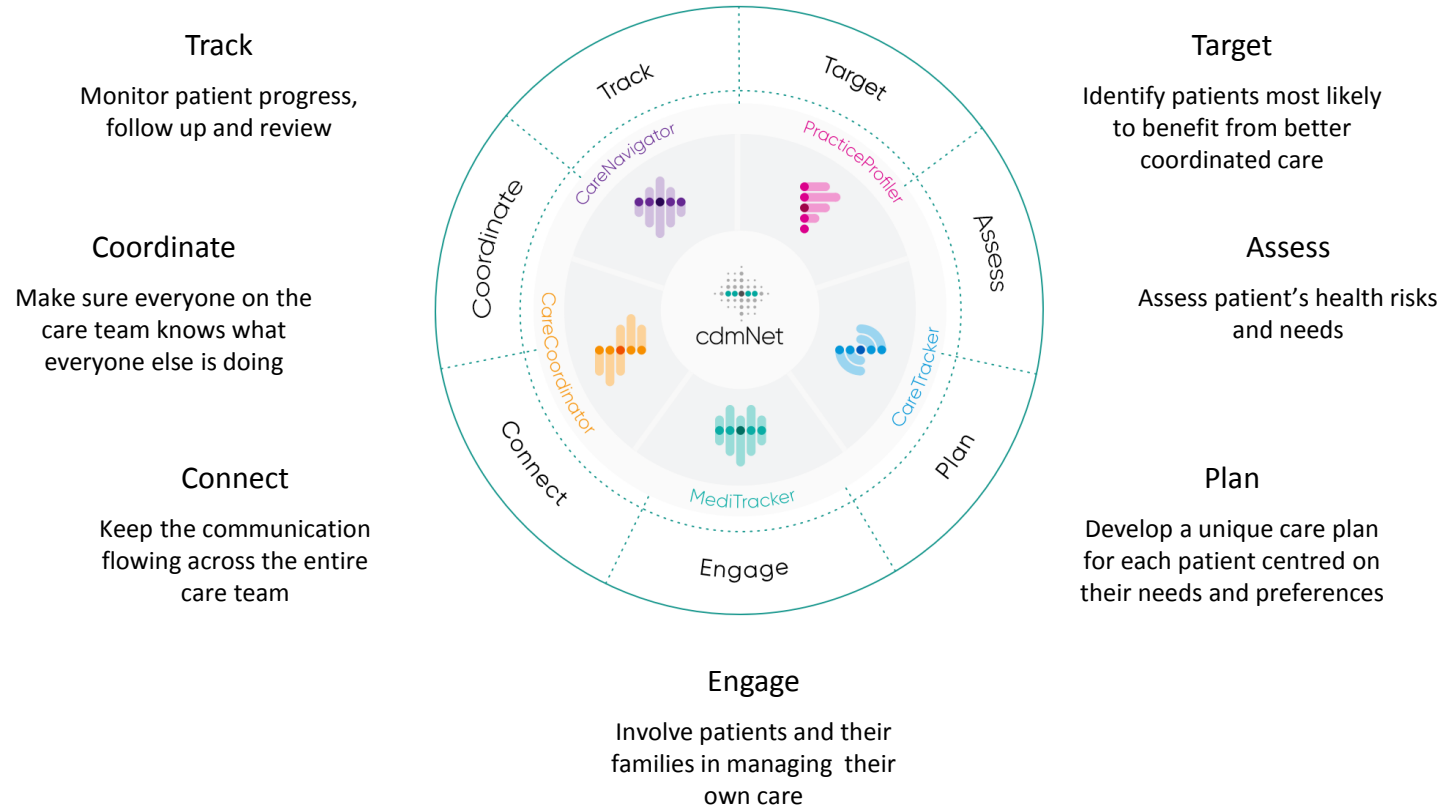
# Challenges

- GP adoption
  - Essential to get GP consent
  - Preferable to consent to all their patients
  - Multiple concerns over sharing data with their patients
- Patient awareness
  - Patients not aware of benefits (e.g., stepping on rusty nail on holiday)
  - Patients not aware of availability of solutions
- MyHR confusion
  - Confusion over security, privacy, sharing, benefits, risks

# How to empower patients to manage their own care

- Patient-centred health records where the patient is in control
- Shared across a selected care team
- Connected apps and services that bring everything together for the patient in one place
- In the context of a complete model of coordinated team care

# How to empower patients to manage their own care



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Phone: +613 9023 0800